

LOS ALAMOS NATIONAL LABORATORY

BRADBURY



Photo: Harvard University

LOS ALAMOS WOMEN IN SCIENCE PRESENT

# From inside the atom to beyond the stars

Shannon Cowell, of the Laboratory's Nuclear Theory group will guide us on a brief tour of the astronomical observations driven by one of the most elusive of particles: the neutrino.

These subatomic particles play a critical role in nuclear processes, including fueling the sun and stars. Neutrinos interact weakly with matter, being able to pass easily through the earth—or human bodies.

To investigate neutrinos and the electroweak interaction, scientists study the interactions between electrons and atomic nuclei. Cowell will discuss current research on these interactions, explaining how an understanding of processes at subatomic levels leads to a better understanding of the evolution of astrophysical environments.

**Wednesday, June 6, 2007 at 6:30 p.m.**

**Bradbury Science Museum**

**15th and Central**

**Los Alamos**

**THE EVENT IS FREE AND OPEN TO THE PUBLIC**



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